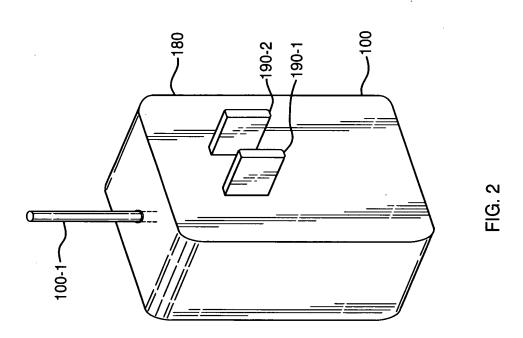


Appl'n No.: Title:

10/601,180 Repeater for Extending . . . Kenneth M. Gainey, et al. Replacement Sheet Inventors:

2/5



Appl'n No.: Title: 10/601,180 Repeater for Extending Inventors: Kenneth M. Gainey, et al. Replacement Sheet 3/5 CONTROL CONTROL -- CONTROL --U3 -- CONTROL TX FREQUENCY CONVERTER 350 **PROCESSOR** $f(X_1 \ldots X_{\bm{l}})$ MICRO **DETECTION AND CONTROL UNIT** TX1 OR TX2 FREQUENCY ADC 381~ ADC 380~ **1MHz LOW PASS FILTER** SWITCH 355 CONTROL 1MHz LOW PASS FILTER 376 VGA 330 -- CONTROI 380 ~361 DETECTOR 370 J DETECTOR 371~ 20 MHz B AND PASS FILTER 365 PA 325, DELAY LINE **DELAY LINE** FILTER FILTER LO1 340~ L02 341~ TX1 OR TX2 FREQUENCY RX FREQUENCY CONVERTER 2 ANTENNA -300 SPLITTER 324 20 MHZ B AND PASS FILTER ¹ N N -310 ISOLATOR 305~ CONVERTER 1 320 RX FREQUENCY RX1 AND RX2 FREQUENCIES-SPLITTER 323~ SPLITTER FIG. 3

10/601,180
Repeater for Extending . . .
Kenneth M. Gainey, et al.
Replacement Sheet Appl'n No.: Title: Inventors:

4/5

